



LNP™ STAT-KON™ Compound DX10315C

Asia Pacific: COMMERCIAL

LNP STAT-KON DX10315C is carbon fiber filled polycarbonate composite with good stiffness, good flow ability, ESD safety, and high level of cleanliness for the most demanding application. This compound is manufactured using LNP CCS Technology.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	1420	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.7	%	ASTM D 638
Tensile Modulus, 5 mm/min	110200	kgf/cm ²	ASTM D 638
Flexural Stress	2150	kgf/cm ²	ASTM D 790
Flexural Modulus	92100	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	59	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	7	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	138	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.26	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm (5)	0.1 - 0.3	%	SABIC Method
Mold Shrinkage, xflow, 3.2 mm (5)	0.1 - 0.3	%	SABIC Method
Melt Volume Rate, MVR at 300°C/5.0 kg	31	cm ³ /10 min	ISO 1133
ELECTRICAL			
Surface Resistivity	1.E+03 - 1.E+05	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	90 - 110	°C
Drying Time	3 - 5	hrs
Melt Temperature	280 - 320	°C
Nozzle Temperature	280 - 320	°C
Front - Zone 3 Temperature	280 - 320	°C
Middle - Zone 2 Temperature	280 - 320	°C
Rear - Zone 1 Temperature	250 - 280	°C
Mold Temperature	90 - 120	°C
Back Pressure	1 - 5	MPa
Screw Speed	30 - 100	rpm